

perature departure, while over the remainder of the ocean the air and water temperature departures did not differ materially, and the seasonal rise during the month, as well as the daily fluctuations, were about the same for the two elements.

FOG.

Fog was usually prevalent over the western division of the steamer lanes, the maximum amount occurring in the square between latitude 40° - 45° , longitude 60° - 65° , where it was reported on 22 days, a percentage of 73, while the normal percentage for the month ranges from 20 to 30.

Off the Banks of Newfoundland where the greatest amount usually occurs, with a percentage of from 60 to 65, it was observed during June, 1917, on only 7 days, or 23 per cent. Over the mid-section of the steamer routes it occurred on from 3 to 8 days. Owing to the present lack of vessel reports it is impossible to state its frequency in European waters.

CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures, with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data as indicated by the several headings.

The mean temperature for each section, the highest and

HAIL.

Hail was recorded on the 17th by a vessel near latitude 61° , longitude 22° , this being the only report received during the month.

Winds of 50 mis./hr. (22.4 m./sec.) or over, during June, 1918.

Station.	Date.	Velocity.	Direction.	Station.	Date.	Velocity.	Direction.
		Mis./hr.				Mis./hr.	
Buffalo, N. Y.	11	60	nw.	Norfolk, Va.	12	60	w.
Burlington, Vt.	12	50	se.	Oklahoma, Okla.	29	74	nw.
Columbus, Ohio	30	50	w.	Pensacola, Fla.	17	58	e.
Del Rio, Tex.	13	54	se.	Pierre, S. Dak.	25	54	nw.
Detroit, Mich.	2 ¹	50	sw.	Point Reyes Light, Cal.	6	59	nw.
El Paso, Tex.	5	54	ne.	Do.	13	60	nw.
Hatteras, N. C.	26	52	sw.	Do.	14	60	nw.
Houghton, Mich.	1	52	sw.	Providence, R. I.	22	58	se.
Jacksonville, Fla.	30	52	nw.	San Antonio, Tex.	2	54	e.
Louisville, Ky.	28	60	n.	Sault Ste. Marie, Mich.	7	50	nw.
Marquette, Mich.	11	56	sw.	Savannah, Ga.	22	50	nw.
Mobile, Ala.	17	60	e.				
New York, N. Y.	13	51	nw.				
Do.	22	50	nw.				
Do.	23	55	nw.				

lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

Condensed climatological summary of temperature and precipitation by sections, June, 1918.

Section.	Temperature.								Precipitation.							
	Section average.		Departure from the normal.		Monthly extremes.				Section average.		Departure from the normal.		Greatest monthly.		Least monthly.	
	Station.	Highest.	Date.	Station.	Lowest.	Date.	Station.	Amount.	Station.	In.	In.	Station.	Amount.	Station.	Amount.	
Alabama	79.7	+ 1.4	Decatur.	107	17	2 stations.	50	14†	Camp Hill.	8.36	Tuscaloosa.	1.52	2 stations.	0.00		
Arizona	77.5	+ 4.3	2 stations.	119	11	Williams.	28	1	Walnut Grove.	4.03	Do.	0.50				
Arkansas	80.5	+ 4.1	Bee Branch.	110	20	Okay.	49	13	Fulton.	12.07	Searcy.	0.50				
California	72.6	+ 3.6	Greenland Ranch.	124	27	Tamarack.	27	1	Barstow.	2.97	76 stations.	0.00				
Colorado	65.0	+ 4.7	3 stations.	105	11†	Steamboat Springs.	19	2	Goodpasture.	5.90	2 stations.	0.00				
Florida	80.4	+ 0.6	Lake City.	106	3	Brooksville (2).	58	19	Jasper.	10.41	Key West.	0.43				
Georgia	79.2	+ 1.4	Bainbridge.	103	16	Tate.	47	23	Tate.	7.12	2 stations.	2.01				
Hawaii, May	72.7	- 0.5	Mahukona.	98	28	Waimea.	48	11	Honomu.	37.78	3 stations.	0.00				
Idaho	66.9	- 7.4	2 stations.	110	11†	Stanley.	14	2	2 stations.	3.16	Geneva.	0.04*				
Illinois	72.1	+ 0.8	2 stations.	105	17	Joliet.	35	22	Rainfield.	7.46	Antioch.	0.80				
Indiana	70.8	- 0.8	2 stations.	102	16	Laporte.	30	23	Royal Center.	4.88	Crawfordsville.	1.10				
Iowa	70.8	- 1.7	2 stations.	104	16	West Bend.	38	2	Royal Center.	10.19	Audobon.	1.55				
Kansas	78.4	+ 5.5	Chapman.	111	20	2 stations.	38	30	Royal Center.	10.19	Do.	0.08				
Kentucky	73.6	- 0.1	Hopkinsville.	104	17	Anchorage.	37	23	Coldwater.	4.08	Utica.	1.22				
Louisiana	82.7	+ 2.8	Angola.	109	15	Kelly (near).	58	14	London.	7.64	Brownsville.	0.47				
Maryland-Delaware	68.8	- 1.2	Seaford, Del.	99	2	Oakland, Md.	34	24	Calhoun.	9.53	Paradis.	1.28				
Michigan	62.0	- 2.2	Allegan.	98	16	Humboldt.	22	23	Do.	4.37	Eminitsburg, Md.	0.51				
Minnesota	64.4	+ 0.1	Pipestone.	99	6	Duluth (near).	24	11	Iron Mountain.	4.77	Port Huron.	0.51				
Mississippi	81.2	- 2.5	Tupelo.	107	16	Batesville.	52	14	Stillwater.	6.24	Priston.	0.17				
Missouri	77.2	- 3.9	Amoret.	110	20	Louisiana.	48	8†	Lake.	8.03	Pontotoc.	0.85				
Montana	65.0	+ 5.3	Jordan.	108	14	Bowen.	20	29	Lockwood.	8.06	Amoret.	0.62				
Nebraska	73.5	+ 4.4	4 stations.	108	15	Harrison.	32	30	Dell.	3.64	Valentine.	0.07				
Nevada	71.6	+ 7.1	Logandale.	114	11†	Beowave.	21	1	Santee.	6.06	Haigler.	0.23				
New England	60.7	- 3.4	Springfield, Mass.	95	1	Pittsburg, N. H.	26	20	Millett.	3.38	Duck Flat.	0.00				
New Jersey	66.3	- 2.8	Tuckerton.	96	2	Boonton.	32	21	New Haven, Conn.	6.10	Duck Flat.	0.00				
New Mexico	71.9	+ 2.8	Artesia.	116	20	2 stations.	25	1	Flemington.	6.21	Port Huron.	1.76				
New York	61.7	+ 3.2	Port Jervis.	97	1	2 stations.	24	20	Hobbs.	5.87	3 stations.	0.00				
North Carolina	72.7	- 0.8	Goldsboro.	104	2	Jefferson.	37	24	West Point.	6.05	Do.	1.51				
North Dakota	63.3	+ 0.5	4 stations.	102	10	Marstonmoor.	27	30	Tryon.	8.59	Lillington.	1.11				
Ohio	68.8	- 0.5	2 stations.	98	17	Green Hill.	33	24	Pembina.	3.92	Parshall.	0.69				
Oklahoma	81.4	+ 5.0	2 stations.	112	25†	2 stations.	45	1	Mount Healthy.	7.75	Dover.	0.55				
Oregon	66.1	+ 6.1	2 stations.	107	20†	3 stations.	18	1	Broken Bow.	7.30	Hooker.	0.61				
Pennsylvania	66.0	- 1.7	3 stations.	98	2	West Bingham.	29	20	Hilgard.	2.57	15 stations.	0.00				
Porto Rico	78.3	- 0.1	2 stations.	99	6†	2 stations.	55	15†	Ridgway.	6.83	Media.	0.44				
South Carolina	77.0	- 0.5	Blackville.	106	5	2 stations.	50	23	Maricopa.	10.93	Isidora.	1.50				
South Dakota	68.3	- 2.2	Hardingrove.	110	10	2 stations.	32	2†	Landrum.	7.69	Charleston.	0.27				
Tennessee	75.8	+ 1.6	Savannah.	105	17	Erasmus.	40	23	Sioux Falls.	5.77	Hardingrove.	0.30				
Texas	83.3	+ 3.4	Barstow.	114	28	Clint.	38	1	Walling.	7.72	Savannah.	1.75				
Utah	69.8	+ 7.0	St. George.	115	12	Black's Fork.	20	29	Clarksville.	5.43	Anderson.	0.06				
Virginia	69.8	- 1.9	Danville.	103	1†	Burkes Garden.	38	8	Black's Fork.	3.11	2 stations.	0.00				
Washington	64.4	+ 3.8	Wheeler.	108	21	4 stations.	25	1†	Blacksburg.	9.71	Winchester.	1.74				
West Virginia	68.2	- 1.0	Ryan.	99	17	Bluefield.	31	24	Forks.	2.47	6 stations.	0.00				
Wisconsin	63.9	- 0.8	3 stations.	97	16	Big St. Germain Dam.	24	23	Marlington.	10.11	New Cumberland.	0.87				
Wyoming	63.8	+ 5.6	Worland.	104	10	Foxpark.	19	30	River Falls.	5.31	Spooner.	0.48				

† Other dates also.

DESCRIPTION OF TABLES AND CHARTS.

(See the Review, January, 1918, p. 48.)

TABLE I.—*Climatological data for Weather Bureau Stations, June, 1918.*

Districts and stations.	Elevation of instruments.			Pressure.		Temperature of the air.												Precipitation.			Wind.											
	Barometer above sea level.			Thermometer above ground.		Sea level, reduced to mean of 24 hours.						Station, reduced to mean of 24 hours.						Departure from normal.			Mean temperature of the dew point.			Mean relative humidity.			Total movement.			Maximum velocity.		
	Ft.	Ft.	In.	Ft.	In.	In.	° F.	° F.	° F.	° F.	Date.	Mean maximum.	Mean minimum.	Mean minimum.	° F.	° F.	° F.	° C.	Mean wet thermometer.	In.	In.	Total.	Days with 0.01 inch or more.	Prevailing direction	Miles per hour.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Show on ground at end of month.	
New England.							60.8	-2.8				76	3.64	+0.5																		
Eastport.	76	67	85	29.82	29.90	-0.03	53.7	-0.7	85	2	82	40	11	45	43	49	45	76	3.26	0.0	12	6,280	s.	44	e.	23	10	9	11	5.7		
Greenville, Me.	1,070	6	25.74	29.89	-0.05	55.6	-3.8	82	2	82	33	21	44	51	53	48	71	2.73	-0.6	9	0,316	w.	34	se.	22	9	8	13	5.6			
Portland, Me.	103	82	117	29.81	29.94	-0.01	58.8	-3.8	80	1	87	41	20	51	31	53	48	72.77	-0.6	7	2,728	se.	10	se.	21	13	11	6	4.1			
Concord.	238	70	79	29.62	29.92	-0.04	60.8	-3.8	80	1	72	35	20	50	31	53	48	4.52	+1.3	13	7,429	s.	50	se.	12	9	11	10	5.8			
Burlington.	404	11	48	29.48	29.91	-0.03	59.8	-4.0	87	1	72	28	20	45	38	53	49	73	3.15	-0.1	14	5,352	s.	36	se.	12	4	14	12	6.2		
Northfield.	876	12	60	28.99	29.93	-0.03	57.2	-5.5	87	1	60	47	20	36	23	56	51	63	1.94	-1.1	7	7,115	w.	38	se.	22	11	10	9	5.0		
Boston.	125	115	188	29.80	29.93	-0.03	63.9	-1.9	82	2	82	46	21	44	27	57	55	85	3.19	+0.8	6	10,857	sw.	42	sw.	21	7	13	10	5.6		
Nantucket.	12	14	46	29.93	29.93	-0.03	60.6	-0.8	82	2	82	51	20	55	22	57	56	88	4.84	+2.0	8	10,953	nw.	48	nw.	9	11	8	11	5.7		
Block Island.	26	11	46	29.91	29.94	-0.03	60.8	-0.8	82	2	82	39	21	52	30	58	54	88	4.88	+2.0	8	8,550	sw.	44	sw.	9	12	9	12	5.7		
Narragansett Pier.							60.7	-3.5	82	2	82	46	21	55	28	58	51	67	3.12	0.0	8	8,398	s.	23	15	9	15	6	5.1			
Providence.	160	215	251	29.78	29.93	-0.04	64.0	-4.3	91	1	73	43	20	55	28	58	51	67	4.12	+1.3	8	8,172	se.	29	nw.	13	12	8	10	4.9		
Hartford.	150	122	140	29.76	29.93	-0.04	64.8	-2.3	92	1	73	44	21	55	31	60	57	82	4.36	+2.0	8	8,172	se.	29	nw.	13	12	8	10	4.9		
New Haven.	108	117	155	29.83	29.94	-0.03	64.6	-2.3	90	1	73	46	21	56	29	58	54	73	6.10	+2.9	8	8,172	se.	29	nw.	13	12	8	10	4.9		
Middle Atlantic States.							68.0	-2.2				69	3.21	-0.5																		5.2
Albany.	97	102	115	29.82	29.92	-0.05	64.7	-3.2	94	1	74	43	20	55	28	58	53	67	2.30	-1.5	8	5,716	nw.	36	s.	12	15	10	5	4.3		
Binghamton.	871	10	68	29.02	29.94	-0.03	63.1	-3.1	90	1	74	39	20	52	35	57	51	64	4.12	+0.9	11	3,825	nw.	22	s.	12	13	10	7	4.5		
New York.	314	414	454	29.61	29.94	-0.04	66.4	-2.1	91	1	74	47	23	59	24	57	51	64	2.49	-1.1	10	4,981	nw.	33	sw.	30	7	14	9	5.8		
Harrisburg.	374	94	104	29.56	29.96	-0.03	69.0	-1.3	92	1	78	52	20	60	29	60	54	64	2.15	-1.2	7	5,320	nw.	31	sw.	5	11	11	9	5.2		
Philadelphia.	127	123	190	29.82	29.94	-0.04	68.6	-1.6	92	1	78	52	23	61	26	63	60	75	2.34	-0.7	12	5,273	se.	26	sw.	13	8	10	12	5.7		
Reading.	325	81	98	29.61	29.96	-0.03	68.4	-2.4	91	1	78	49	23	59	30	60	54	62	2.60	-1.0	12	4,941	sw.	33	sw.	12	9	11	10	5.3		
Scranton.	805	111	119	29.10	29.95	-0.03	65.4	-4.5	94	1	70	41	23	55	34	58	53	67	2.60	-1.0	12	4,941	sw.	33	sw.	12	9	11	10	5.3		
Atlantic City.	52	37	48	29.90	29.95	-0.03	65.3	-1.5	91	2	71	50	23	59	26	60	57	76	1.94	-1.1	9	5,595	s.	31	ne.	27	11	10	9	5.1		
Cape May.	18	13	49	29.96	29.98	-0.05	65.8	-1.9	93	2	72	54	20	60	27	58	55	76	2.62	-0.4	7	6,484	s.	34	nw.	22	12	9	9	4.8		
Sandy Hook.	22	10	57	29.93	29.95	-0.05	65.7	-2.1	92	1	72	51	23	59	26	59	55	74	3.30	-0.3	8	8,550	nw.	45	s.	22	11	8	11	5.4		
Trenton.	190	159	183	29.73	29.93	-0.05	67.2	-2.1	92	1	77	48	23	58	29	59	54	68	3.78	+0.3	9	8,011	s.	34	nw.	23	9	10	11	5.6		
Baltimore.	120	100	113	29.83	29.96	-0.05	70.9	-2.1	96	1	81	51	23	61	31	62	56	64	1.75	-2.1	12	5,321	s.	30	nw.	12	11	12	7	4.9		
Washington.	112	62	85	29.83	29.95	-0.05	70.8	-1.9	96	1	81	51	23	61	31	62	56	66	2.08	-2.1	14	4,853	nw.	38	nw.	12	12	9	9	5.3		
Lynchburg.	681	153	188	29.22	29.96	-0.05	71.2	-2.3	97	1	82	48	24	60	35	63	59	69	2.91	-1.0	7	4,281	n.	30	w.	12	10	13	7	5.5		
Norfolk.	91	170	205	29.86	29.96	-0.04	72.6	-1.8	97	1	81	50	23	64	25	64	60	70	3.25	-1.1	7	9,130	se.	30	w.	12	13	5	4.5			
Richmond.	143	11	52	29.81	29.96	-0.05	71.0	-4.1	95	1	71	49	23	61	31	71	60	70	5.36	+1.8	8	5,319	se.	37	nw.	2	8	12	10	5.8		
Weymouth.	2,293	49	55	27.84	29.95	-0.06	66.8	-1.9	89	1	76	44	24	57	36	60	57	74	7.40	+3.3	13	5,370	w.	26	w.	12	7	12	11	5.9		
South Atlantic States.							76.2	+0.5				74	3.18	-2.5																	5.3	
Asheville.	2,255	70	84	27.68	29.96	-0.05	69.6	+0.9	90	1	79	48	24	60	35	62	60	77	6.53	+2.2	12	4,926	nw.	46	e.	17	8	12	10	5.6		
Charlotte.	773	153	161	29.14	29.95	-0.06	75.2	-0.3	98	1	85	56	23	66	31	67	63	71	2.43	-2.0	10	3,302	ne.	25	nw.	26	12	14	4	4.7		
Hatteras.	11	12	50	29.94	29.94	-0.07	72.7	-1.7	86	3	79	59	29	67	27	67	64	76	4.09	+0.4	4	9,684	s.	52	sw.	19	6	5	4	4.7		
Manteo.	12	4	48				70.5	-2.5	95	2	80	49	24	61	36	53	60	66	4.36	0.0	4											
Raleigh.	378	103	110	29.56	29.94	-0.07	74.4	-0.7	99	2	84	55	23	65	35	65	60	66	2.31	-2.4	7	5,585	sw.	31	sw.	12	6	12	12	5.8		
Wilmington.	75	81	91	29.88	29.96	-0.05	74.8	-0.9	96	1	82	58	26	67	26	65	65	75	3.22	-2.4	8	5,033	sw.	26	w.	15	9	6	4	4.2		
Charleston.	48	11	92	29.90	29.95	-0.06	78.8	+0.1	97	15	85	68	19	72	21	71	68	74	0.27	-5.1	8	5,449	s.	35	ne.	22	11	11	8	4.9		
Columbia, S. C.	351	41	57	29.58	29.95	-0.06	78.3	+0.1	101	23	88	62	24	69	28	68	64	70	3.08	-1.1	7	4,378	se.	26	se.	3	9	10	11	5.4		
Augusta.	180	62	77	29.75	29.94	-0.07	79.7	+1.3	100	23	89	60	24	70	33	71	67	72	2.30	-2.2	7	5,796	e.	30	w.	25	10	8	12	5.9		
Savannah.	65	150	194	29.88	29.95	-0.06	79.0	+0.8	98	15	87	57	17	71	26	72	69	77	3.66	-2.4	12	7,279	se.	50	nw.	22	9	14	7	5.4		
Jacksonville.	420	200	249	29.90	29.95	-0.06	78.8	+0.8	94	18	87	58	19	73	28	67	64	74	3.20	-2.2	13	7,873	sw.	30	sw.	18	6	8	6	5.1		
Greenville, S. C.	1,013	113	122	28.87	29.94	-0.03	81.0	+0.6	95	1	83	58	23	66	28	67	64	74	5.96	-0.1	11	5,155	ne.	40	w.	25	10	9	11	5.4		
Florida Peninsula.							81.0	+0.6				73	4.45	-0.1																5.4		
Key West.	22	10	64	29.93	29.95	-0.04	82.0	-0.2	90	30	87	74	3	77	13	75	72	73	0.43	-3.8	3	5,813	e.	21	nw.	18	14	11	5	4.4		
Miami.	25	71	79	29.94	29.97	-0.04	79.4	-1.0	92	23	85	68	3	74	17	73	72	78	6.17	-1.7	15	5,031	e.	31	w.	30	8					

TABLE I.—Climatological data for Weather Bureau Stations, June, 1918—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.						Precipitation.			Wind.			Maximum velocity.			Average cloudiness, tenths.		Snow on ground at end of month.							
	Barometer above sea level.	Thermometer above ground.	Anerometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min. +2.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Days with 0.01 inch or more.	Total movement.	Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	In.	In.					
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	%	In.	In.	Miles				0-10	5-10	5-10	In.	In.					
<i>Ohio Valley and Tennessee.</i>							72.4	-0.6								66	3.49	-0.7					5.1								
Chattanooga.	762	189	213	29.16	29.95	-0.05	76.6	+1.2	97	85	54	21	66	32	67	64	69	2.86	-1.4	14	5,088	w.	36	nw.	12	10	5.6				
Knoxville.	996	102	111	28.91	29.94	-0.06	74.8	+1.4	98	17	84	54	21	66	32	72	68	5.10	+0.9	11	3,928	sw.	48	n.	17	6	13	11	5.9		
Memphis.	399	76	97	29.55	29.96	-0.01	80.4	+2.7	97	18	89	62	23	72	23	71	3.96	-0.4	6	4,846	n.	42	n.	28	14	11	5	3.9			
Nashville.	546	168	191	29.38	29.96	-0.03	77.0	+0.7	100	17	87	55	24	67	31	67	64	2.70	-1.7	8	5,583	nw.	43	w.	30	13	11	5	4.5		
Lexington.	989	193	210	28.02	29.96	-0.04	72.2	-1.0	94	16	82	48	23	62	29	64	59	3.61	-0.4	10	8,418	sw.	40	sw.	30	13	11	6	4.4		
Louisville.	525	219	253	29.39	29.97	-0.01	73.8	-1.4	96	16	81	49	23	63	29	64	59	3.61	-0.4	8	7,548	sw.	60	n.	28	15	11	4	3.2		
Evansville.	431	139	175	29.50	29.96	-0.01	75.9	+0.6	101	16	90	53	23	66	28	66	61	2.05	-2.1	9	7,068	sw.	38	se.	30	11	11	3	4.9		
Indianapolis.	822	194	210	29.08	29.95	-0.02	71.2	-1.2	94	16	82	44	23	61	33	61	54	3.11	-1.2	9	7,522	sw.	35	sw.	30	13	11	3	4.9		
Terre Haute.	575	96	129	29.33	29.94		72.4		98	18	83	49	23	63	30	64	58	3.58			6,049	sw.	35	sw.	30	13	20	3	6.0		
Cincinnati.	628	11	51	29.29	29.95	-0.04	70.4	-1.3	93	16	82	46	23	59	31	62	57	4.97	+2.0	9	4,576	n.	26	se.	5	11	11	8	4.8		
Columbus.	824	173	222	29.10	29.96	-0.03	69.7	-1.3	91	20	80	44	23	59	30	61	55	1.25	-2.2	7	7,490	sw.	50	w.	30	7	14	9	5.6		
Dayton.	889	181	216	28.99	29.92		70.2	-2.0	92	16	81	44	23	59	32	61	56	1.87	-1.1	7	6,757	sw.	37	w.	30	9	12	9	5.3		
Pittsburgh.	842	353	410	29.07	29.94	-0.03	68.0	-3.1	88	5	75	23	59	31	50	53	2.49	-1.5	11	8,557	nw.	40	nw.	12	4	14	12	6.4			
Elkins.	1,940	41	50	27.94	29.97	-0.03	63.9	-2.7	80	1	76	34	24	52	43	58	55	5.32	+0.3	14	3,308	nw.	27	w.	30	5	12	13	6.6		
Parkersburg.	638	77	84	29.32	29.98	-0.02	70.0	-1.5	92	1	80	45	23	60	36	63	59	3.39	-1.3	7	3,751	se.	24	nw.	12	11	13	6	4.9		
<i>Lower Lake Region.</i>							64.3	-2.7								64	2.84	-0.7					5.1								
Buffalo.	767	247	280	29.12	29.94	-0.03	61.8	-3.3	85	30	70	41	23	54	26	55	50	68	2.81	-0.3	13	11,081	sw.	60	nw.	11	7	18	7	5.8	
Canton.	448	10	61	29.44	29.91		59.6	-6.2	85	1	70	35	20	49	31			3.57	+0.1	13	7,194	sw.	39	sw.	12	13	8	9	4.8		
Oswego.	335	76	91	29.92	29.95	-0.05	55.8	-5.0	86	1	68	40	23	50	30			3.16	-0.3	13	6,742	w.	34	sw.	11	11	11	8	4.7		
Rochester.	523	97	113	29.38	29.94	-0.02	62.8	-3.5	88	1	72	40	23	53	33	55	48	60	2.40	-0.7	12	6,095	sw.	34	w.	12	14	10	6	4.7	
Syracuse.	597	97	113	29.30	29.95	-0.02	62.0	-4.9	88	1	71	40	23	53	25			4.42	+0.3	13	8,143	s.	43	nw.	29	12	10	8	5.0		
Erie.	714	130	166	29.18	29.94	-0.04	64.8	-2.2	87	1	72	45	23	57	27	58	53	66	4.45	+0.7	13	9,808	s.	42	w.	11	6	13	11	5.8	
Cleveland.	762	190	201	29.14	29.95	-0.03	67.4	-0.5	88	1	73	49	22	60	29	59	64	63	1.83	-1.8	9	9,276	ne.	43	w.	12	12	12	6	4.9	
Sandusky.	629	62	103	29.27	29.95	-0.03	68.2	-0.6	91	1	71	51	13	60	31	60	55	66	1.25	-2.6	8	8,508	sw.	40	w.	30	7	13	10	5.5	
Toledo.	628	208	243	29.28	29.96	-0.01	67.6	-1.8	91	16	76	44	23	58	33	59	53	62	1.53	-1.8	9	9,403	sw.	44	nw.	1	14	10	6	4.3	
Fort Wayne.	856	113	124	29.05	29.97		68.3	-0.2	94	16	80	41	23	57	33	60	55	64	3.06			5,908	sw.	33	nw.	6	7	16	7	5.3	
Detroit.	730	218	245	29.18	29.96	-0.01	66.8	-1.2	88	16	77	45	23	58	36	58	52	64	3.30	-0.6	8	8,286	e.	50	sw.	27	10	17	3	4.6	
<i>Upper Lake Region.</i>							60.9	-1.6								68	1.70	-1.6					4.9								
Alpena.	609	13	92	29.28	29.94	-0.02	58.7	-1.6	86	28	68	36	10	49	36	52	47	64	3.00	-0.6	7	8,712	nw.	40	n.	11	11	12	7	5.0	
Escanaba.	612	54	60	29.28	29.94	-0.00	58.8	-2.0	89	11	64	34	23	50	36	52	47	70	1.53	-2.1	8	7,372	s.	36	nw.	11	10	14	6	4.4	
Grand Haven.	632	54	62	29.27	29.94	-0.02	62.2	-2.5	80	16	70	43	23	54	30	55	60	65	1.54	-1.0	3	7,601	w.	36	s.	11	14	12	4	4.0	
Grand Rapids.	707	70	87	29.19	29.95	-0.02	66.2	-1.9	86	22	66	32	17	52	32	56	61	62	1.17	-1.4	5	4,578	w.	27	nw.	12	13	12	5	4.8	
Houghton.	684	62	98	29.17	29.90	-0.05	57.6	-1.3	85	15	67	38	23	48	37	57	62	67	1.55	-1.9	10	7,705	e.	52	sw.	1	7	12	11	5.6	
Lansing.	878	11	62	29.02	29.95	-0.04	64.4	-3.0	90	10	77	35	23	51	38	57	62	67	2.07	-1.3	10	3,583	sw.	22	w.	1	8	10	5	5.5	
Ludington.	637	60	69	29.26	29.95		55.0		77	19	66	33	23	50	27	54	51	76	1.64			6,702	s.	31	s.	1	12	11	7	4.8	
Marquette.	734	77	111	29.15	29.95	+0.01	57.1	-1.4	86	11	66	41	23	48	35	52	58	72	2.51	-1.0	13	7,709	nw.	56	sw.	11	7	13	10	5.6	
Port Huron.	628	70	120	29.25	29.94	-0.03	61.8	-2.0	85	1	72	39	23	52	35	50	51	70	1.51	-2.7	6	7,540	ne.	37	w.	1	15	12	3	5.5	
Saginaw.	641	48	82	29.26	29.94		64.3		92	16	76	38	23	53	31	56	49	62	1.38	-1.3	7	6,578	nw.	33	nw.	12	10	8	12	5.2	
Sault Sainte Marie.	614	61	91	29.03	29.93	-0.03	55.3	-2.3	73	1	76	35	23	54	31	51	56	69	2.56	-0.2	9	7,188	w.	50	nw.	7	11	11	8	5.1	
Chicago.	823	140	310	29.09	29.96	-0.00	66.9	+0.6	83	11	75	51	23	59	32	58	63	63	1.89	-2.0	11	7,676	n.	36	w.	6	13	14	3	4.3	
Green Bay.	617	109	149	29.27	29.93	-0.03	63.2	-1.9	85	11	72	42	23	54	35	57	62	68	2.59	-1.0	8	6,535	s.	30	s.	11	6	14	6	4.5	
Milwaukee.	681	119	133	29.22	29.95	-0.09	62.6	-0.9	91	11	71	51	23	54	43	51	54	76	0.85	-2.8	8	6,624	n.	24	sw						

TABLE I.—Climatological data for Weather Bureau Stations, June, 1918—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.						Precipitation.			Wind.												
	Barometer above sea level.	Thermometer above ground.	Anerometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.+2.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	%	Greatest daily range.	Total.	Days with 0.01 inch or more.	Total movement.	Maximum velocity.									
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	%	In.	In.	Miles.	Miles per hour.	Prevailing direction.	Date.								
<i>Northern Slope.</i>																												
Billings.....	3,140	5	27.31	29.88	+ .04	70.0	66.9	+4.7	106	14	87	39	1	53	46	55	1.39	-1.1	8	sw.	20	10	0					
Havre.....	2,505	11	27.31	29.88	+ .04	67.2	64.2	+4.8	100	14	82	36	6	52	46	52	1.45	-1.4	6	5,229	36	sw.	26	18	10			
Helena.....	4,110	87	114	25.81	29.92	+ .04	66.2	62.2	+5.0	94	9	81	36	1	52	41	51	40	+4.87	9	5,877	40	sw.	12	12	13		
Kalispell.....	2,062	11	34	26.91	23.92	+ .03	62.2	59.5	+3.4	95	9	77	31	3	48	43	59	39	-5.8	10	4,404	30	nw.	26	12	13		
Miles City.....	2,871	26	48	27.44	29.83	+ .05	72.3	69.1	+6.3	105	14	85	46	16	60	36	59	51	55	61	10	4,355	n.	28	n.	5		
Rapid City.....	3,239	50	58	26.62	29.97	+ .12	68.4	64.1	+4.6	99	10	80	41	2	57	32	50	54	1.23	-2.2	10	5,594	48	n.	25	8	16	
“Cheyenne”.....	6,088	84	101	24.10	29.84	+ .10	65.1	61.3	+3.6	80	10	78	36	30	52	37	53	45	57	1.24	-0.3	10	7,489	36	nw.	5	11	12
Lander.....	5,372	60	68	29.93	.....	.....	67.2	62.5	+5.9	90	14	84	36	1	51	45	49	1.31	+0.2	6	2,661	24	se.	20	11	16		
Sheridan.....	3,790	10	47	26.13	29.96	.....	67.0	62.5	+5.9	98	11	85	35	2	53	40	58	52	62	1.27	11	3,503	36	sw.	14	11	7	
Yellowstone Park.....	6,200	11	48	23.97	29.97	+ .11	59.7	56.7	+3.7	86	11	73	30	1	46	35	49	42	59	2.97	+1.3	13	4,869	22	sw.	13	8	20
North Platte.....	2,821	11	51	27.05	29.94	+ .08	73.8	65.4	+5.4	103	15	87	41	30	60	42	63	57	61	2.18	-1.1	6	4,621	25	se.	28	23	4
<i>Middle Slope.</i>																												
Denver.....	5,292	10	113	24.80	29.94	+ .10	71.2	72.2	+4.8	94	14	84	45	1	58	34	56	47	50	0.86	-0.6	7	4,470	23	nw.	5	13	13
Pueblo.....	4,685	80	86	25.33	29.91	+ .05	74.0	70.5	+5.0	99	11	89	45	1	58	42	56	45	45	1.02	-0.4	8	4,886	31	nw.	18	14	12
Concordia.....	1,392	50	58	28.47	29.90	.....	78.9	76.2	+6.2	105	11	91	53	30	67	36	65	58	54	1.85	-3.1	3	3,568	35	ne.	29	20	11
Dodge City.....	2,509	11	51	27.37	29.89	+ .02	77.9	74.4	+4.8	104	26	91	52	1	65	35	64	57	56	0.24	-3.4	4	7,073	40	nw.	20	8	2
Wichita.....	1,338	133	158	28.50	29.89	- .02	79.8	76.5	+5.5	102	20	90	58	30	69	30	61	61	1.29	-3.5	3	8,403	37	se.	23	18	9	
Altus.....	1,410	5	.....	.....	.....	.....	88.5	85.5	+5.5	111	26	95	54	1	69	42	88	88	88	1.20	-2.0	8	.....	11	9	4		
Mustogee.....	6,62	4	.....	.....	.....	.....	81.5	78.5	+5.5	104	26	93	60	13	70	35	61	62	62	0.59	-1.8	7	.....	24	14	11		
Oklahoma.....	1,211	10	47	28.66	29.90	- .01	81.3	80.4	+5.6	104	26	93	62	1	70	37	69	64	62	3.09	0.0	10	7,404	74	nw.	29	14	11
<i>Southern Slope.</i>																												
Alberne.....	1,738	10	52	28.13	29.88	.00	84.0	80.4	+5.8	105	26	96	61	1	71	33	68	61	54	1.56	-1.6	6	6,202	31	ne.	2	15	9
Amarillo.....	3,676	10	45	29.91	.....	.....	77.3	73.5	+5.3	103	29	90	54	1	64	41	73	73	73	1.43	-1.6	6	6,727	26	sw.	24	16	11
Del Rio.....	944	61	71	28.91	29.87	+ .02	83.2	79.5	+1.1	101	28	92	68	13	74	26	70	70	70	2.08	-0.4	7	6,458	74	se.	13	20	7
Roswell.....	3,566	75	85	26.34	29.86	+ .08	77.0	70.7	+0.7	108	29	91	47	1	62	44	60	48	45	0.29	-1.8	3	5,372	42	s.	13	18	11
<i>Southern Plateau.</i>																												
El Paso.....	3,762	110	133	26.14	29.79	+ .04	80.4	78.4	+0.8	105	29	92	51	1	68	36	61	49	39	0.82	+0.3	7	8,319	54	ne.	5	18	12
Santa Fe.....	7,013	57	66	23.35	29.86	+ .03	68.4	62.2	+2.2	100	11	80	45	1	56	32	52	42	46	0.68	-0.4	7	5,169	34	nw.	7	7	22
Flagstaff.....	6,808	8	57	23.42	29.83	+ .05	64.7	61.5	+5.4	91	12	82	32	2	48	46	52	53	54	0.72	-0.7	9	5,725	37	ne.	12	10	20
Phoenix.....	1,108	76	81	26.60	29.71	- .03	88.6	84.2	+4.2	111	10	105	58	1	73	45	66	53	56	0.08	0.0	1	3,995	36	se.	14	25	4
Yuma.....	141	9	54	29.57	29.71	- .03	90.4	85.7	+5.7	113	11	106	61	4	75	43	69	58	54	0.02	0.0	2	4,184	38	se.	18	30	0
Independence.....	3,910	11	42	25.93	29.89	+ .10	77.6	74.2	+4.2	101	27	92	51	1	63	38	58	57	40	0.33	-0.1	5	1,257	26	se.	15	14	8
Needles.....	488	4	.....	29.20	29.65	.....	92.0	84.0	+5.2	122	11	110	59	2	74	47	58	58	58	0.88	-1.4	4	.....	14	7	9	2.7	
<i>Middle Plateau.</i>																												
Reno.....	4,533	74	81	25.46	29.86	.00	71.0	70.2	+10.0	96	27	88	37	1	54	43	53	40	41	0.14	-0.1	3	4,015	28	w.	23	21	7
Tonopah.....	6,090	12	20	24.09	29.87	.....	72.3	69.5	+7.3	100	11	89	33	1	52	47	52	39	36	0.55	+4.4	6	5,126	36	se.	30	20	9
Winnemucca.....	4,844	18	56	25.60	29.91	+ .03	70.6	67.4	+7.3	102	20	89	40	3	56	45	52	39	40	1.33	+0.7	9	3,761	37	sw.	12	19	7
Modena.....	5,470	10	43	24.63	29.85	+ .03	70.4	67.2	+7.2	99	12	86	36	2	52	46	50	29	30	0.35	-0.5	4	7,533	37	n.	29	13	10
Salt Lake City.....	4,360	163	203	25.61	29.88	+ .03	75.4	71.1	+7.1	101	12	88	44	1	63	33	59	48	43	0.20	-0.6	4	4,989	46	w.	12	12	13
Grand Junction.....	4,602	82	96	25.33	29.98	+ .05	77.0	74.0	+4.4	101	11	92	43	1	62	38	58	40	33	0.33	-0.1	2	4,377	44	se.	18	15	10
<i>Northern Plateau.</i>																												
Baker.....	3,471	48	53	26.43	29.96	+ .01	65.6	62.0	+7.0	94	13	82	30	1	49	46	52	43	51	0.19	-1.0	3	4,381	33	e.	17	14	11
Boise.....	2,739	73	86	27.11	29.91	.00	73.2	70.2	+7.2	100	13	88	37	1	55	39	58	44	44	0.58	-0.3	6	3,475	38	s.	12	13	12
Lewiston.....	2,757	40	48	25.48	29.89	+ .02	72.6	69.5	+3.5	103	20	89	40	3	56	45	52	44	44	0.55	-0.5	4	2,655	22	sw.	14	10	6
Locate.....	4,477	60	68	25.48	29.89	+ .02	71.0	68.8	+2.2	99	12	85	38	1	57	40	54											

TABLE II.—Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during June, 1918, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began	Depths of precipitation (in inches) during periods of time indicated.												
		From— hr	To— hr		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.
Abilene, Tex.	7			0.61																0.49
Albany, N. Y.	12			0.78															0.46	
Alpena, Mich.	6			0.49															0.48	
Amarillo, Tex.	6-7			1.25																
Anniston, Ala.	2	6:50 p.m.	D. N. p.m.	1.42	7:34 p.m.	8:08 p.m.	0.05	0.28	0.56	0.78	0.96	1.10	1.22	1.30						
Asheville, N. C.	3	11:58 a.m.	4:58 p.m.	2.18	12:45 p.m.	1:57 p.m.	0.03	0.15	0.33	0.65	0.84	1.00	1.13	1.19	1.20	1.26	1.28	1.29	1.79	
Atlanta, Ga.	6	1:30 p.m.	2:05 p.m.	0.76	1:32 p.m.	1:57 p.m.	0.02	0.20	0.45	0.60	0.68	0.73								
29	3:25 p.m.	6:52 p.m.	0.82	3:54 p.m.	4:29 p.m.	0.01	0.07	0.12	0.23	0.36	0.47	0.55	0.60							
Atlantic City, N. J.	22			0.94															0.45	
Augusta, Ga.	6			0.69															0.56	
Baker, Ore.	22			0.12															0.00	
Baltimore, Md.	2			0.42															0.40	
Bentonville, Ark.	29-30	11:20 p.m.	2:40 a.m.	0.92	11:31 p.m.	12:01 a.m.	0.02	0.08	0.20	0.30	0.41	0.51	0.59							
Binghamton, N. Y.	12	2:00 a.m.	1:26	2:26 a.m.	2:53 a.m.	0.20	0.10	0.30	0.41	0.53	0.59	0.64								
Birmingham, Ala.	12	5:12 p.m.	7:06 p.m.	1.49	5:12 p.m.	5:41 p.m.	0.00	0.27	0.71	1.00	1.20	1.36	1.44							
Do.	25	8:13 p.m.	D. N. p.m.	1.18	8:49 p.m.	9:09 p.m.	0.01	0.26	0.59	0.84	0.96									
Do.	29	3:13 a.m.	5:42 a.m.	1.89	3:15 a.m.	3:55 a.m.	0.01	0.19	0.42	0.60	0.77	1.00	1.33	1.66	1.79					
Do.	29	1:49 p.m.	3:14 p.m.	0.71	1:52 p.m.	2:03 p.m.	0.01	0.13	0.43	0.61									0.23	
Bismarck, N. Dak.	5			0.34															0.22	
Block Island, R. I.	21-22	11:00 p.m.	10:15 a.m.	3.36	7:31 a.m.	8:28 a.m.	1.58	0.30	0.53	0.60	0.65	0.71	0.77	0.80	1.05	1.27	1.41	1.53		
Boise, Idaho	23			0.28															0.23	
Boston, Mass.	22			1.20															0.52	
Buffalo, N. Y.	30			0.98															0.46	
Burlington, Vt.	12	11:45 a.m.	2:10 p.m.	0.92	12:19 p.m.	12:41 p.m.	0.07	0.21	0.54	0.66	0.73	0.78							0.43	
Cairo, Ill.	5	1:20 p.m.	4:37 p.m.	1.69	1:42 p.m.	2:29 p.m.	0.03	0.10	0.22	0.54	0.82	1.08	1.28	1.39	1.51	1.62	1.64		0.42	
Canton, N. Y.	11-12			0.79															0.45	
Charles City, Iowa	18			0.66															0.42	
Charleston, S. C.	15			0.15															0.15	
Charlotte, N. C.	17			1.06															0.52	
Chattanooga, Tenn.	8	4:38 p.m.	7:03 p.m.	0.71	4:54 p.m.	5:09 p.m.	T.	0.21	0.49	0.57									0.30	
Cheyenne, Wyo.	20			0.41															0.24	
Chicago, Ill.	6			0.25															0.46	
Cincinnati, Ohio	30	1:18 p.m.	1:50 p.m.	0.60	1:34 p.m.	1:44 p.m.	0.04	0.31	0.56										0.50	
Cleveland, Ohio	6			0.47															0.44	
Columbia, Mo.	24			0.80															0.35	
Columbia, S. C.	17			0.86															0.21	
Columbus, Ohio	30			0.38															0.48	
Concord, N. H.	7			0.39															0.17	
Concordia, Kans.	24			0.48															0.52	
Corpus Christi, Tex.	15-16	11:37 p.m.	6:30 a.m.	1.19	1:16 a.m.	1:30 a.m.	0.14	0.19	0.45	0.53									0.27	
Dallas, Tex.	6	6:45 a.m.	6:05 p.m.	3.10	9:50 a.m.	10:20 a.m.	0.71	0.14	0.32	0.37	0.52	0.71	0.80						0.59	
Davenport, Iowa.	27	4:01 p.m.	12:43 p.m.	1.53	10:24 a.m.	10:54 a.m.	0.51	0.06	0.21	0.40	0.57	0.66	0.80						0.36	
Dayton, Ohio	27	5:27 p.m.	8:30 p.m.	1.25	4:23 p.m.	5:01 p.m.	0.04	0.19	0.58	0.83	0.97	0.99	1.07	1.16	1.20				0.37	
Del Rio, Tex.	8			0.42															0.52	
Denver, Colo.	19			1.18															0.17	
Des Moines, Iowa.	5	11:23 a.m.	12:10 p.m.	1.15	11:41 a.m.	12:03 p.m.	0.01	0.30	0.60	0.85	1.06	1.13							0.14	
Detroit, Mich.	24	12:15 a.m.	D. N. a.m.	1.08	12:19 a.m.	12:42 a.m.	0.01	0.14	0.39	0.61	0.90	0.96							0.15	
Devils Lake, N. Dak.	5	6:35 p.m.	8:40 p.m.	1.17	7:05 p.m.	8:02 p.m.	0.01	0.15	0.30	0.44	0.72	0.75	0.76	0.77	0.81	0.99	1.15			
Dodge City, Kans.	6			0.87															0.30	
Drexel, Nebr.	6			0.12															0.10	
Dubuque, Iowa.	24	8:00 p.m.	D. N. p.m.	1.44	9:03 p.m.	9:53 p.m.	0.11	0.05	0.13	0.20	0.28	0.43	0.63	0.86	1.02	1.11	1.19			
Do.	29-30	8:30 p.m.	D. N. p.m.	1.12	1:28 a.m.	1:55 a.m.	0.12	0.10	0.21	0.25	0.36	0.47	0.55						0.27	
Duluth, Minn.	5			0.33															0.59	
Eastport, Me.	12			1.15															0.14	
Elkins, W. Va.	16-17	7:20 a.m.	D. N. p.m.	1.52	3:52 a.m.	4:43 a.m.	0.48	0.10	0.21	0.31	0.41	0.49	0.68	0.70	0.72	0.81	0.86			
Ellendale, N. Dak.	15	6:25 p.m.	7:30 p.m.	0.98	6:36 p.m.	7:04 p.m.	0.01	0.16	0.47	0.59	0.89	0.86	0.90						0.20	
El Paso, Tex.	4			0.30															0.16	
Erie, Pa.	6-7	8:30 p.m.	D. N. a.m.	0.75	9:32 p.m.	10:02 p.m.	0.07	0.11	0.18	0.25	0.26	0.44	0.53						0.14	
Escanaba, Mich.	11	10:55 p.m.	D. N. p.m.	1.04	11:20 p.m.	11:43 p.m.	0.18	0.11	0.18	0.40	0.77	0.87							0.01	
Eureka, Cal.	30			1.05															0.01	
Evansville, Ind.	13			0.01															0.31	
Flagstaff, Ariz.	20			0.36															0.16	
Fort Smith, Ark.	1	2:46 a.m.	1:18 p.m.	2.28	4:06 a.m.	4:43 a.m.	0.03	0.14	0.30	0.46	0.57	0.59	0.65	0.76	0.81					
Do.	5	8:34 a.m.	12:36 p.m.	1.29	9:36 a.m.	10:04 a.m.	0.17	0.08	0.12	0.26	0.43	0.61	0.68						0.45	
Do.	29	1:41 a.m.	3:12 a.m.	0.68	2:02 a.m.	2:25 a.m.	0.02	0.19	0.31	0.40	0.50	0.59							0.54	
Fort Wayne, Ind.	27-28	5:30 p.m.	7:40 p.m.	0.74	5:40 p.m.	7:40 p.m.	0.01	0.09	0.21	0.30	0.41	0.58	0.67							
Fort Worth, Tex.	1	12:03 p.m.	D. N. a.m.	1.30	11:55 p.m.	12:11 a.m.	0.12	0.37	0.81	1.01	1.04									
Fresno, Cal.	8	4:15 p.m.	6:21 p.m.	1.18	4:25 p.m.	5:04 p.m.	0.02	0.12	0.23	0.44	0.65	0.84	0.95	1.01	1.08				0.01	
Galveston, Tex.	20			0.01															0.01	
Grand Haven, Mich.	10	3:26 p.m.	4:40 p.m.	1.84	3:49 p.m.	4:20 p.m.	0.02	0.07	0.27	0.53	1.05	1.25	1.50	1.62	1.71					
Grand Junction, Colo.	30	D. N. a.m.	1:55 p.m.	1.49	3:45 a.m.	4:10 a.m.	0.38	0.09	0.11	0.26	0.48	0.53							0.19	
Grand Rapids, Mich.	23			0.25															0.29	
Green Bay, Wis.	24			0.38															0.25	
Greenville, S. C.	5			0.02															0.35	
Do.	17	12:23 p.m.	2:10 p.m.	0.60	2:34 p.m.	2:53 p.m.	0.01	0.21	0.40	0.46	0.52								0.21	
Hannibal, Mo.	10			0.33															0.32	
Harrisburg, Pa.	22			0.47															0.45	
Hartford, Conn.	12			1.20															0.54	
Hatteras, N. C.	26	D. N. a.m.	6:20 a.m.	3.52	4:14 a.m.	5:45 a.m.	0.78	0.11	0.14	0.44	0.68	0.99	1.05	1.06	1.08	1.10	1.24	1.90	2.37	2.72
Havre, Mont.	18	8:01 p.m.	8:55 p.m.	0.72	8:18 p.m.	8:33 p.m.	T.	0.36	0.64	0.70										
Helena, Mont.	16			0.39															0.37	
Houghton, Mich.	26			0.24															0.21	
Houston, Tex.	3	11:56 a.m.	1:33 p.m.	1.43	12:14 p.m.	12:46 p.m.	0.01	0.14	0.48	0.68	0.82	1.01	1.30	1.40						
Huron, S. Dak.	8	4:45 a.m.	6:20 a.m.	0.84	4:47 a.m.	5:04 a.m.	0.01	0.14	0.53	0.71	0.75									
Independence, Cal.	28			0.06															0.06	
Indianapolis, Ind.	27-28	10:35 p.m.	5:00 a.m.	1.08	12:27 a.m.	12:57 a.m.	0.01	0.10	0.16	0.31	0.42	0.50	0.57							
Iola, Kans.	6	2:10 a.m.	3:05 a.m.	1.24	2:14 a.m.	2:58 a.m.	0.01	0.24</td												

* Self-register not in use.

† Record partly estimated.

† No precipitation occurred during month.

TABLE II.—Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during June, 1918, at all stations furnished with self-registering gages—Continued.

* Self-register not in use.

† Record partly estimated.

† No precipitation occurred during month.

TABLE II.—Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during June, 1918, at all stations furnished with self-registering gages—Continued.

Stations.	Date.	Total duration.		Total amount of precipi- tation.	Excessive rate.		Amount be- fore excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Springfield, Mo.	24-25			1.26																	
Syracuse, N. Y.	11-12	D.N.p.m.	D.N.a.m.	0.90	12:32 a.m.	12:58 a.m.	0.06	0.24	0.41	0.45	0.67	0.78	0.79							0.90	
Tacoma, Wash.	10			0.35																0.19	
Tampa, Fla.	26			0.67																0.35	
Tatoosh Island, Wash.	9			1.48																0.25	
Taylor, Tex.	3			0.24																0.13	
Terre Haute, Ind.	28			1.03																0.61	
Thomasville, Ga.	4	2:02 p.m.	3:45 p.m.	1.23	2:35 p.m.	3:05 p.m.	0.18	0.19	0.52	0.69	0.83	0.87	0.97								
Do.	26	11:10 a.m.	12:09 p.m.	0.96	11:19 a.m.	11:42 a.m.	0.01	0.16	0.35	0.59	0.74	0.80									
Do.	28	3:56 p.m.	5:20 p.m.	1.44	4:19 p.m.	4:52 p.m.	0.11	0.21	0.40	0.72	0.96	1.12	1.24	1.31							
Toledo, Ohio.	30			0.42																0.38	
Tomopah, Nev.	15			0.37																0.29	
Topeka, Kans.	29-30	7:16 p.m.	D.N.a.m.	1.50	7:27 p.m.	7:42 p.m.	0.02	0.21	0.58	0.69											
Trenton, N. J.	5	5:36 p.m.	7:36 p.m.	1.27	6:03 p.m.	6:53 p.m.	0.01	0.09	0.25	0.46	0.57	0.53	0.61	0.72	0.84	1.03	1.10				
Do.	10	6:55 p.m.	8:40 p.m.	0.90	7:02 p.m.	7:20 p.m.	0.01	0.11	0.35	0.54	0.58									0.08	
Valentine, Nebr.	5			0.16																	
Vicksburg, Miss.	5	4:28 p.m.	7:30 p.m.	1.55	4:59 p.m.	5:38 p.m.	0.01	0.15	0.35	0.58	0.92	1.20	1.39	1.48	1.51						
Do.	12	6:18 p.m.	D.N.p.m.	1.14	6:19 p.m.	6:38 p.m.	0.01	0.28	0.58	0.77	0.86									0.04	
Walla Walla, Wash.	12			0.07																0.27	
Washington, D. C.	1			0.27																0.28	
Wausau, Wis.	27			0.28																0.60	
Wichita, Kans.	29			0.70																0.12	
Williston, N. Dak.	14			0.14																	
Wilmington, N. C.	7-8	8:43 p.m.	D.N.a.m.	1.76	8:43 p.m.	9:31 p.m.	0.00	0.23	0.47	0.61	0.76	0.84	1.02	1.09	1.19	1.26	1.31				
Do.	26	12:08 a.m.	1:40 a.m.	0.66	12:10 a.m.	12:29 a.m.	0.01	0.26	0.38	0.56	0.61									0.32	
Winnemucca, Nev.	22			0.66																	
Wytheville, Va.	18	5:25 p.m.	9:50 p.m.	2.06	5:51 p.m.	6:30 p.m.	0.01	0.44	0.77	1.03	1.27	1.45	1.57	1.69	1.76						
Do.	25	7:40 a.m.	D.N.p.m.	2.56	2:57 p.m.	3:27 p.m.	0.39	0.10	0.23	0.30	0.44	0.57	0.63							0.58	
Yankton, S. Dak.	2			0.86																0.41	
Yellowstone Park, Wyo.	8			0.76																	

TABLE III.—Data furnished by the Canadian Meteorological Service, June, 1918.

Stations.	Altitude above M. S. L.* June, 1918.	Pressure.			Temperature.						Precipitation.		
		Feet.	Inches.	Inches.	° F.	° F.	° F.	° F.	° F.	° F.	Inches.	Inches.	Inches.
St. Johns, N. F.	125	29.88	30.02	+0.11	50.6	-1.0	61.8	39.9	80	32	4.24	+0.64	
Sydney, C. B. I.	48	29.93	29.97	+ .02	54.1	-1.3	63.8	44.4	38	36	3.56	+0.33	
Halifax, N. S.	88	29.83	29.93	- .02	56.2	-1.5	65.8	46.6	85	34	4.10	+0.34	
Yarmouth, N. S.	65	29.94	29.91	- .04	53.9	-1.1	61.9	46.0	75	34	2.54	-0.22	
Charlottetown, P. E. I.	38	29.86	29.90	- .02	56.9	-0.5	65.2	48.7	82	34	3.50	+0.83	
Chatham, N. B.	28	29.86	29.88	- .01	57.6	-2.4	68.9	46.3	84	36	4.27	+0.81	
Father Point, Que.	20	29.82	29.84	- .03	50.4	-2.6	68.6	42.2	76	33	4.16	+1.18	
Quebec, Que.	296	29.55	29.87	- .05	58.0	-3.2	68.5	47.5	92	37	7.60	+3.95	
Montreal, Que.	157	29.67	29.87	- .07	61.3	-3.6	70.4	52.3	86	43	4.12	+0.59	
Stonecliffe, Ont.	489	29.27	29.87	- .07	58.7	-2.9	71.5	45.9	90	34	1.81	-1.35	
Ottawa, Ont.	236	29.62	29.88	- .06	61.7	-3.6	73.3	50.0	90	38	3.53	+0.61	
Kingston, Ont.	285	29.60	29.91	- .06	59.9	-3.5	69.7	50.2	82	40	2.04	-0.39	
Toronto, Ont.	379	29.52	29.92	- .05	61.5	-1.9	71.8	51.4	89	39	3.35	+0.55	
White River, Ont.	1,244	28.56	29.87	- .07	52.1	-6.6	65.6	38.6	76	23	3.21	+0.99	
Port Stanley, Ont.	592	29.31	29.95	- .02	61.1	-2.7	71.2	51.0	83	37	2.41	-0.32	
Southampton, Ont.	656	29.22			57.7	-2.7	67.7	47.7	83	38	2.39	+0.04	
Parry Sound, Ont.	688	29.23	29.91	- .05	59.3	-2.4	69.6	49.0	83	38	2.26	-0.16	
Port Arthur, Ont.	644	29.20	29.91	- .03	54.5	-1.9	64.0	45.0	80	35	1.65	-1.08	
Winnipeg, Man.	760	29.06	29.88	- .01	60.9	-1.3	73.3	48.5	94	36	3.74	+0.45	
Minnedosa, Man.	1,660	28.12	29.91	+ .02	59.7	+0.1	72.4	47.0	97	34	1.31	-1.69	
Qu'Appelle, Sask.	2,115	27.66	29.88	+ .01	61.5	+1.6	76.0	47.0	97	28	1.21	-2.21	
Medicine Hat, Alberta	2,144	27.59	29.92	+ .07	68.0	+6.0	83.7	52.4	98	35	1.40	-1.36	
Swift Current, Sask.	2,392	27.32	29.83	- .04	64.3	+4.3	80.9	47.8	102	31	1.66	-1.01	
Calgary, Alberta.	3,428	26.42	29.89	+ .05	59.9	+3.9	77.0	42.9	90	31	0.26	-2.19	
Banff, Alberta.	4,521	25.38	29.88	+ .04	55.5	+4.0	69.9	41.0	82	26	0.94	-2.39	
Edmonton, Alberta.	2,150	27.61	29.86	+ .02	57.7	+0.8	69.6	45.9	83	31	3.27	+0.41	
Prince Albert, Sask.	1,450	28.34	29.88	+ .01	59.6	+1.9	72.1	47.2	92	32	2.62	+0.11	
Battleford, Sask.	1,502	28.15	29.87	+ .01	61.7	+2.2	75.2	48.1	98	32	1.01	-2.30	
Kamloops, B. C.	1,202	28.70	29.97	+ .10	65.9	+2.1	79.8	52.1	92	37	0.33	-1.09	
Victoria, B. C.	230	29.79	30.06	+ .05	57.9	+1.6	66.4	49.4	80	43	0.33	-0.87	
Barkerville, B. C.	4,180	25.74	30.04	+ .17	49.4	-1.3	60.5	38.4	80	28	4.27	+1.36	1.3
Hamilton, Bermuda.	151	29.90	30.06	- .06	75.0	0.0	80.2	69.8	84	66	7.96	+2.01	

* See Explanation of Tables in this REVIEW for January, 1918, p. 48.

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